

Amendments to the Specification:

Please replace ¶1 on page 1, line 3 with the following:

FIELD OF INVENTIONCROSS-REFERENCE TO RELATED PATENT APPLICATION

This application claims the benefit of European Patent Application No. 9922920.5, filed on September 29, 1999, the entirety of which is incorporated herein by reference.

FIELD OF INVENTION

Please replace ¶3 on page 8 line 4 with the following:

In Fig. 1, a publisher data processing unit 11 is provided for supplying live up-to-the-minute data which subscribers would like to receive (stock data will be used in describing the preferred embodiment, as this is a major use of this type of broker, as stock data is a good example of data that is constantly changing and which is required on an immediate basis by many subscribers). Figure 3 is an exemplary tree structure according to a preferred embodiment of the present invention.

Please replace ¶4 on page 8, line 11, with the following:

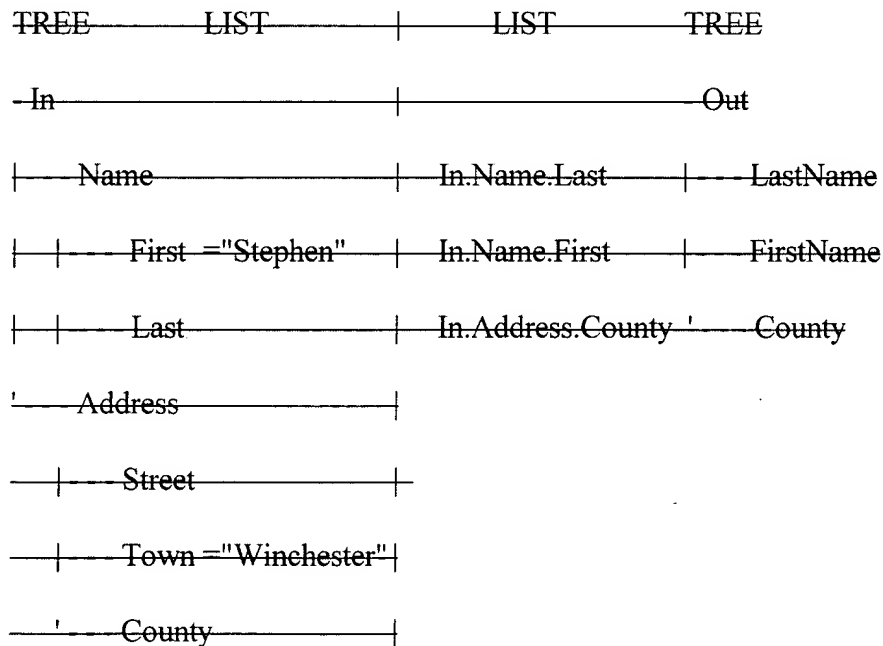
In Fig. 1, a publisher data processing unit 11 is provided for supplying live up-to-the-minute data which subscribers would like to receive. In the preferred embodiment, a publisher application P1 (11) sends a stream of published messages to a messaging and queuing unit such as IBM's MQSeries product (shown as queue manager 12). This queue manager's message transmission protocol and the associated transactional concepts and recovery facilities are well known and are described in PCT application WO 95/10805 and US patent 5465328. The queue manager 12 forwards the stream on to a relational message broker 13 for processing and assignment of messages to particular subscribers, after which the stream of messages is sent back

to the queue manager 12 for transmittal to three subscriber applications S1 (15a), S2 (15b) and S3 (15c).

Please replace ¶6 on page 19, line 10, with the following:

Figure 3 illustrates an exemplary tree structure according to an embodiment of the present invention. In this embodiment, the tree structure (Tree #2) Tree #2 below both applies a filter and performs a restructure.

Tree#2



In the example of Tree #2, the expression generator generates the following expression:

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SELECT In.Name.Last AS LastName, In.Name.First AS
FirstName, In.Address.County AS County
FROM In
WHERE In.Name.First = "Stephen" AND In.Address.Town
= "Winchester"
  
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